HONDA ServiceNews June 2005

Multiple VSA, VTM-4, and PGM-FI DTCs

Got a '05 Odyssey or '05 Pilot EX-L in your shop with any or all of these symptoms?

- One or more of these VSA DTCs are set:
  - DTC 25 (yaw rate sensor)
  - DTC 27 (steering angle sensor)
  - DTC 51 (motor lock)
  - DTC 53 (motor stuck ON)
  - DTC 81 [central processing unit (CPU)]
  - DTC 86 (F-CAN communication)

  OR

  The VSA indicator is lit but no VSA DTCs are set.
- *Pilot only:* VTM-4 DTC 41-2 (CAN communication) is set.
- One or more of these PGM-FI DTCs are set:
  - DTC U0073 [F-CAN malfunction (BUS-OFF)]
  - DTC U0144 [F-CAN malfunction (VTM-4 control unit - PCM)]
  - DTC U0122 [F-CAN malfunction (VSA - PCM)]

A poor ground G302 is the likely culprit. If this ground is loose or it's not making good contact because there's paint or debris under the terminal, you can wind up with an intermittent or complete loss of communication between the PCM, the VSA control unit, and in Pilot EX-Ls, the VTM-4 control unit. Make sure the terminal is clean and tight. If it already is, then refer to the appropriate DTC troubleshooting in the appropriate S/M or in ISIS.

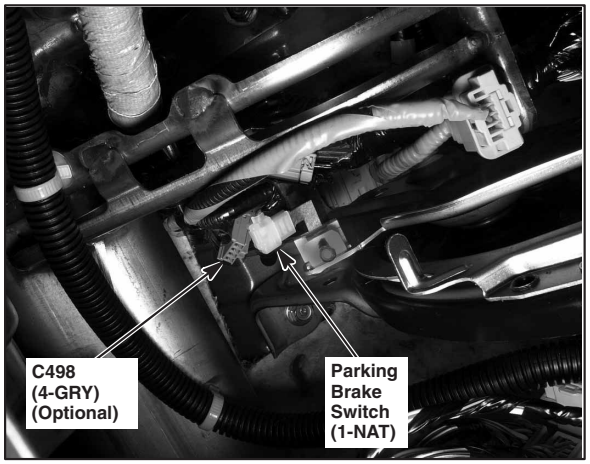
Turning the Current Fuel Mileage Display On and Off

The procedure listed in '03–05 Civic Hybrid O/Ms to turn the current fuel mileage display on and off needs a bit of tweaking. As written, you're told in step 3 to press and hold the **SELECT/RESET** knob for about **10 to 15 seconds** and then to release it.

To turn the display either on or off, you really need to press and hold that knob for *at least* **10 seconds** *but not more than* **15 seconds** and then release it. If you hold the knob *for more than* **15 seconds**, the display doesn't respond. And one more thing: although the O/M may say to do so, you don't really need to set the parking brake for this operation. In the interest of safety, however, it's a good practice to set it just the same.

Installing an Electric Trailer Brake Controller

To install an electric trailer brake controller in a '06 Ridgeline, look for the gray 4P connector that's under the dashboard near the top of the parking brake pedal.



This 4P connector includes all the circuits needed to install most electric trailer brake controllers. Here's a breakdown:

Pin	Wire Color	Circuit Description
1	BLU	Battery power from No. 6 (20A) fuse in auxiliary under-hood fuse box
2	WHT/BLK	Brake light input
3	BRN/WHT	Output from electric trailer brake controller to trailer lighting connector at rear bumper
4	BLK	Ground from G401

Electric trailer brake controllers aren't sold by American Honda, but are available at most retail trailer supply stores.

Back-Up Lamp Circuit Can't Handle Additional Load

The 7P trailer connector for the '06 Ridgeline doesn't support back-up lights, even though the connector schematic that's molded into the connector cover says **Back-Up Lamp**. Don't add extra back-up lights or accessories to this circuit; the wiring and switches can't handle the additional load.

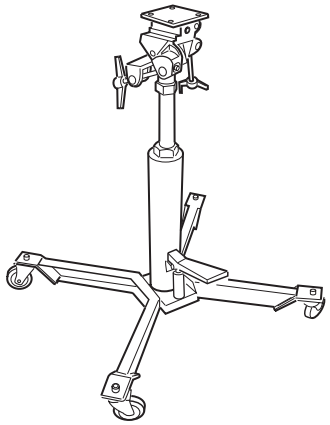
Required Special Tools and Equipment for A/T Replacement

According to your dealership's Automobile Sales and Service Agreement, your service department is required to have special tools and equipment to work on Honda vehicles. Here's what you need for A/T replacement:

Transmission Jack (2 Required - 1 for subframe; 1 for A/T)

T/N NR172500D (All models)

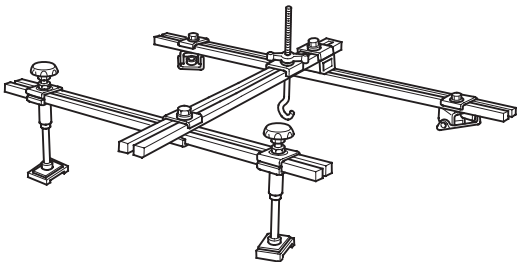
Order from Honda Tool and Equipment Program.



A & Reds Engine Support

T/N AART12566 (All models)

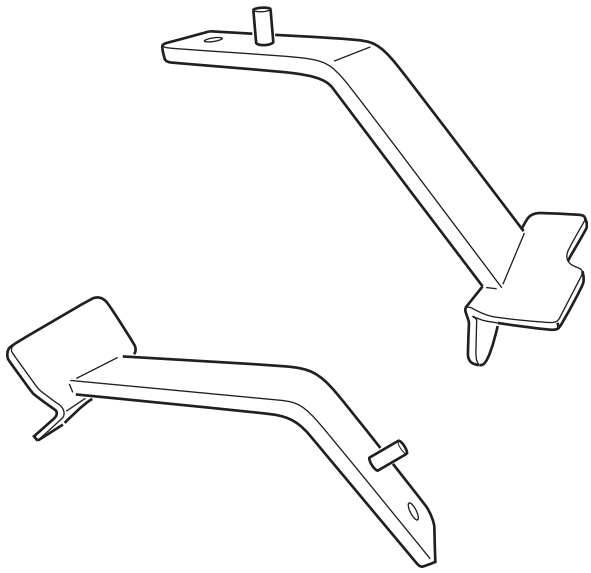
Order from Honda Tool and Equipment Program.



Engine Hanger Adapter (2 Required)

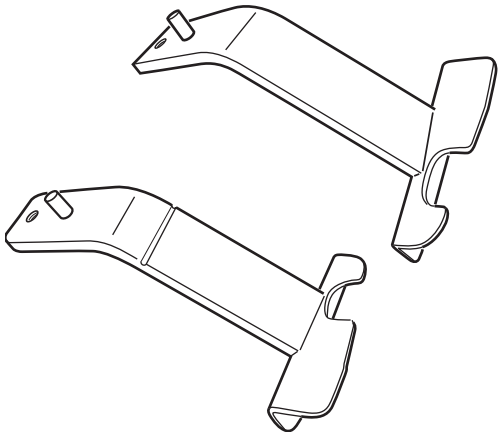
T/N VSB02C000022 ('05 Odyssey)

Order from Honda Tool and Equipment Program.



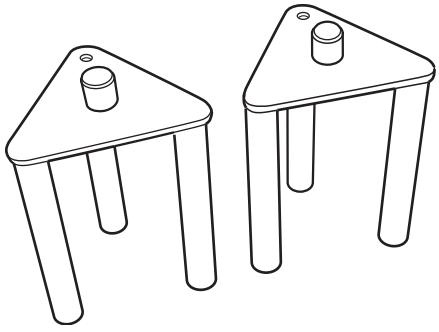
T/N VSB02C000014 (Pilot)

Order from Honda Tool and Equipment Program.



T/N VSB02C000024 ('06 Ridgeline)

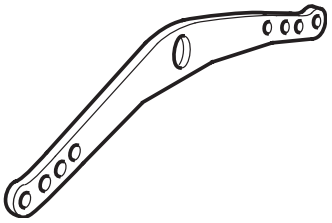
Order from Honda Tool and Equipment Program.



Engine Support Adapters

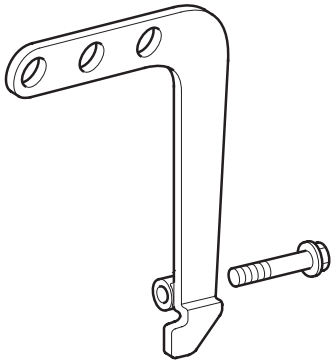
T/N VSB02C000019 (All V6 models)

Order from Honda Tool and Equipment Program.



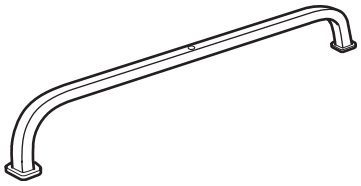
T/N VSB02C000015 (All 2.0 and 2.6 liter L4 models)

Order from Honda Tool and Equipment Program.



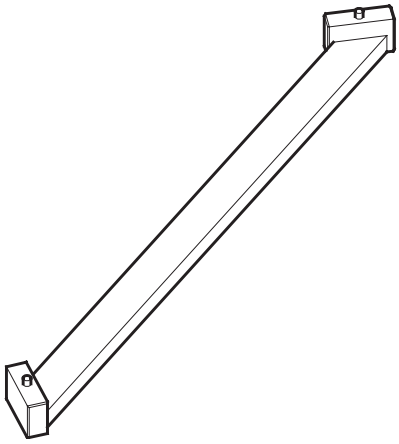
T/N VSB02C000018 (Civic Si)

Order from Honda Tool and Equipment Program.



T/N 07AAKS5AA000 (Civic)

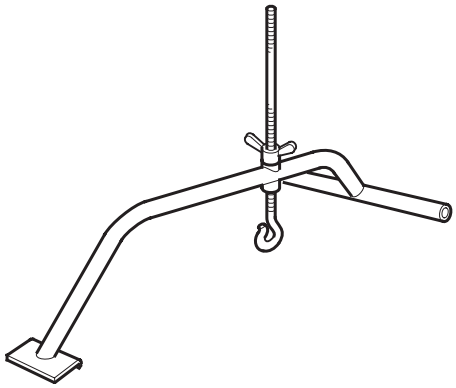
Order from Honda Tool and Equipment Program.



Engine Support Fixture

T/N 07XAA-001030A ('99–04 Odyssey)

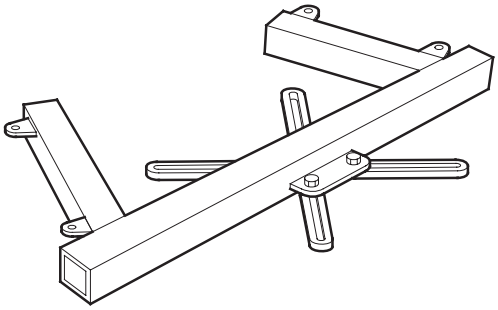
Order through normal parts ordering channels.



Subframe Adapters

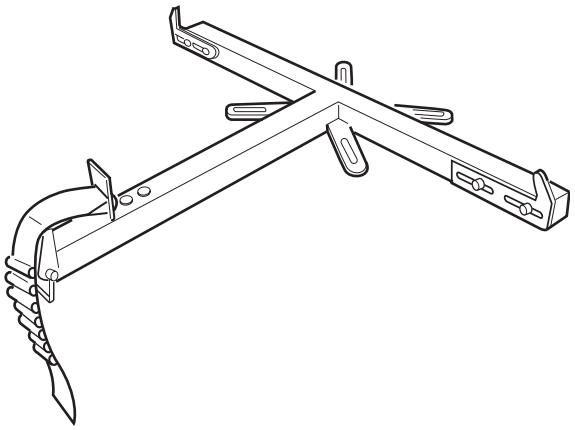
T/N VSB02BX0 (Pilot)

Order from Honda Tool and Equipment Program.



T/N VSB02C000016 (All models except Pilot)

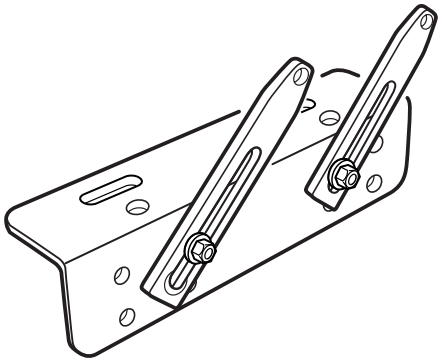
Order from Honda Tool and Equipment Program.



Transmission Adapter

T/N VSB02C000012 (All models)

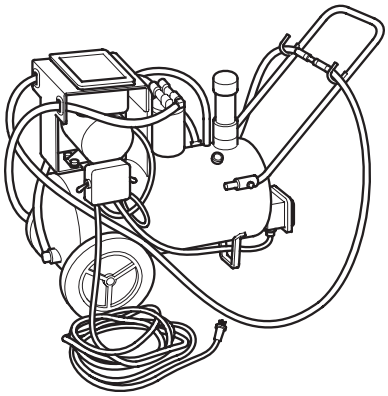
Order from Honda Tool and Equipment Program.



ATF Cooler Cleaner

T/N GTHTTCF6H

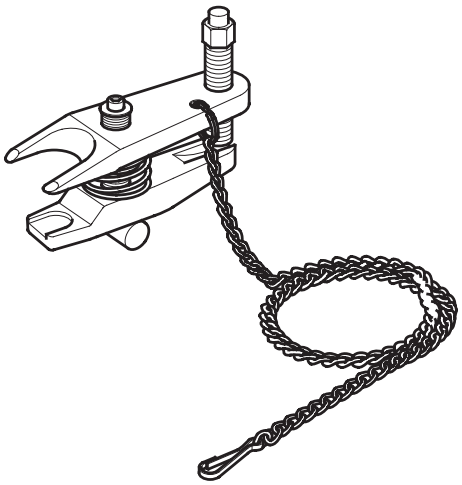
Order from Honda Tool and Equipment Program.



Ball Joint Remover

T/N 07MAC-SL0A120 (32 mm)
T/N 07MAC-SL0A202 (28 mm)

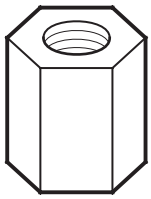
Order through normal parts ordering channels.



Ball Joint Thread Protector (12 mm)

T/N 07AAF-SDAA100

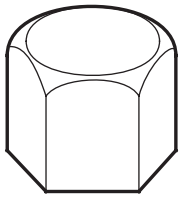
Ordering through normal parts ordering channels.



Ball Joint Thread Protector (14 mm)

T/N 071AF-S3VA000

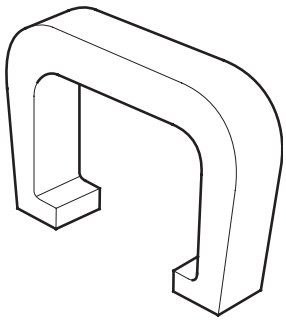
Order through normal parts ordering channels.



Ball Joint Puller ('06 Ridgeline)

T/N 07AAC-SJCA120

Order through normal parts ordering channels.



New Refrigerant Leak Detector Available

The Honda Tool and Equipment Program now offers a new refrigerant leak detector. This tool is smaller, lighter, and cheaper than the Yokogawa tester you're probably used to. To order one, call the Honda Tool and Equipment Program at **888-424-6857**, and ask for T/N TIFZX-1.

Replacing a Canon A75 Digital Camera

NOTE: This article applies to '03–04 Accord V6s, '02–04 Odysseys, and '03–04 Pilots.

Need a replacement Canon A75 digital camera to take inspection photos for S/B 04-021, *Safety Recall: Automatic Transmission 2nd Gear Inspection*, or S/B 04-037, *Safety Recall: Accord V6 Automatic Transmission 2nd Gear Inspection*?

Here's some not-so-good news. Canon has quit making this model, so it's no longer available from the Honda Tool and Equipment Program.

The good news though, is you've still got some options. The A75 is a fairly popular model, so check out a local retail store or do a search on the web. If you still wind up empty-handed, then call Special Tools at **800-346-6327** to borrow a loaner camera while your A75 is being fixed. Special Tools keeps six A75s just for this purpose. If no loaners are available, they can give you instructions to adapt an A510 model to fit the existing camera mount. The A510 is Canon's replacement for the A75 and is readily available.

SRS DTC 81-64 or 85-64 After SRS Unit Replacement

Just replaced the SRS unit in a '03–04 Odyssey, and now you've got either of these SRS DTCs?

- SRS DTC 81-64 (ECU serial number ID code inconsistent) (internal failure of the front passenger's seat weight sensor unit)
- SRS DTC 85-64 (ECU serial number ID code inconsistent) (internal failure of the OPDS unit)

To fix this problem, here's what you need to do:

1. Refer to the front passenger's weight sensor unit calibration procedure on page 23-42 of the 1999–04 Odyssey S/M. [Online, enter the keyword **SRS**, select **How to Troubleshoot the SRS** from the list, and go to **Calibrating the Front Passenger's Weight Sensor Unit ('03–04 Models**.) Do steps 1 thru 3 of the calibration procedure.
2. Do step 4 of the procedure, and follow the screen prompts to initialize the seat weight sensor (SWS). After the initialization is done, turn the ignition switch to LOCK (0), then disconnect the HDS.
3. Wait for **3 minutes**, then reconnect the HDS, and turn the ignition switch to ON (II).
4. Continue with steps 5 thru 18 of the procedure to complete the calibration.

New Software for HDS: Version 1.018.008

During the week of June 6, 2005, all Honda dealerships were sent a new CD containing HDS software version 1.018.008. This new CD sports a white label that reads "Honda Diagnostic System Installation Disk (VER 1.018.008), June 2005." Your system administrator should have this software already loaded onto the master server.

Here's some important info on 1.018.008:

- It includes a new Micrososft Operating System; this greatly improves processing speed, navigation, memory structure, and sign-on/password/user name retention.
- It includes an oscilloscope function.

New CVT Fluid Available

Honda parts stock now carries a new CVT fluid that's specially formulated to increase CVT performance and service life. It wears the label "Continuously Variable Transmission Fluid."

Here's what this new fluid offers:

- Increased resistance to oxidation.
- Better fluidity at cold temperatures for better lubrication.
- Advanced protection features to reduce noise and wear and to increase service life.

If you're replacing transmission fluid in a CVT-equipped vehicle, or just topping it off, make sure you're using this new CVT fluid. From here on, *don't* put ATF-Z1 in a CVT. If you're topping off a CVT that's already got ATF-Z1, there's no need for concern; this fluid is compatible with ATF-Z1.

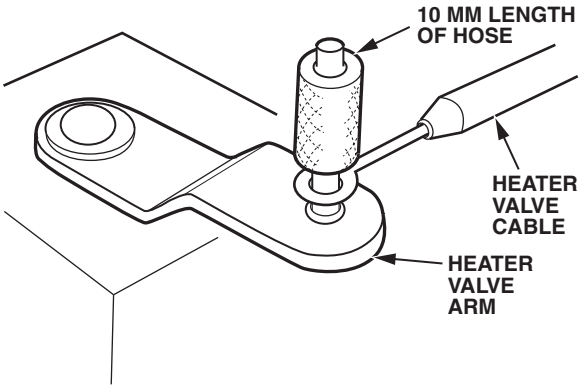
As a heads up, all CVT-equipped '06 Honda models will be factory-filled with this new CVT fluid. So don't wait; stock up now on this new product. It's available in 1-quart bottles. Just ask for P/N 08200-9006, H/C 8031437.

Heater Blows *Cold* Air; A/C Blows *Warm* Air

NOTE: This article applies to all A/C-equipped Honda models that use a heater valve cable.

Got a vehicle in your shop that blows *cold* air from the heater or *warm* air from the A/C? The problem could just be the heater valve cable has slipped off the heater valve arm.

There's a real easy fix for this problem. Slip the heater valve cable back onto the heater valve arm. Then cut yourself a **10 mm** length of **3.5 mm** vacuum hose (P/N 95005-35008-10M, H/C 2325058), and slide it onto the arm. This holds the cable on the arm nice and snug so it won't slip off.



Where's that Audio Unit I Ordered From Tech Line?

Wondering where's that warranty audio unit you ordered from Tech Line? You can now check on the status of your order without calling Tech Line. Just call the Remanufactured Parts Dealer Services group at **888-997-7278**, and select option 1.

Always Use Correct Replacement Sunvisors

Need to replace one or both of the sunvisors in a '03–04 Accord? Make sure you order and install the correct replacement sunvisor for that vehicle. This is especially important if it's got side curtain airbags. *Never* install a sunvisor made for a vehicle without side curtain airbags in a vehicle with them. The consequences could be dire; just read the letter we sent to all dealerships on March 29, 2005, titled "Vehicle Modifications Affecting Safety Systems." This is serious stuff.

Fortunately, there's a real easy way to tell which sunvisor goes with which vehicle. In vehicles with side curtain airbags, the entire sunvisor extends on its mount. In vehicles without side curtain airbags, the sunvisors have a plastic extender that slides in and out.

With side curtain airbags:

Without side curtain airbags:

AUTOMOTIVE Youth Educational Systems YES ®

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